BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements To Roads and Drains at Dasarahally and Surrounding Area Roads in Ward No 06 Thanisandra**

Pre Measurements

Job Code : **006-21-000010**

Scanned by CamScanner

BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre Measurements

Name of work: Improvements To Roads and Drains at Dasarahally and Surrounding Area Roads in Ward No 06 Thanisandra

Work Order No: BBMP/EE/BTP/WO/144/2020-21 dt: 26.11.2020

JOB NUMBER: 006-21-000010

Estimate Cost: 100.00 lakhs.

Name of Contractor : M/s Shree Charan Construction, Prop Sri. T.S Kothandaraju

Sl No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
1	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80						
	New Drain	Cum					
	Chowrappa Reddy Layout						
	1st Cross Road	Cum	1	30.00	1.15	1.00	34.50
			1	30.00	1.15	1.00	34.50
			1	19.30	1.15	1.05	23.30
	2nd Cross Road	Cum	1	30.00	1.15	1.05	36.23
			1	30.00	1.15	1.05	36.23
			1	25.20	1.15	1.05	30.43
	3rd Cross Road	Cum	1	30.00	1.15	1.05	36.23
			1	30.00	1.15	1.05	36.23
			1	4.60	1.15	1.05	5.55
	4th Cross Road	Cum	1	30.00	1.15	1.05	36.23
			1	30.00	1.15	1.05	36.23
			1	12.70	1.15	1.05	15.34
	Mariya Street Cross Road	Cum	1	30.00	1.15	1.05	36.23
			1	3.00	1.15	1.05	3.62
	Cross Road		1	30.00	1.15	1.05	36.23
			1	24.00	1.15	1.05	28.98
	Cross Road		1	30.00	1.15	1.05	36.23
			1	19.30	1.15	1.05	23.30
	Chowrappa Layout Main Road R/S		1	24.75	1.15	1.05	29.89
			1	24.10	1.15	1.05	29.10
			1	24.80	1.15	1.05	29.95
			1	28.70	1.15	1.05	34.66
	Culvert		1	6.00	1.80	1.05	11.34
	Maruthi Layout						
	3rd Main 2nd Cross Road	Cum	1	15.00	1.15	1.05	18.11
			1	20.30	1.15	1.05	24.51
			1	9.00	1.15	1.05	10.87
	3rd Main 3rd Cross Road		1	16.60	1.15	1.05	20.04
			1	12.70	1.15	1.05	15.34

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
			1	25.70	1.15	1.05	31.03
					Total Qty		780.39
					Limited to		774.90

07/12/2020
Assistant Engineer
Ward No. 06

7/12/2020
Assistant Executive Engineer
Byatarayanapura Sub Division

2	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18						
	For Drain -Chowrappa Reddy Layout						
	1st Cross Road	Cum	1	30.00	1.15	0.15	5.18
			1	30.00	1.15	0.15	5.18
			1	19.30	1.15	0.15	3.33
	2nd Cross Road	Cum	1	30.00	1.15	0.15	5.18
			1	30.00	1.15	0.15	5.18
			1	25.20	1.15	0.15	4.35
	3rd Cross Road	Cum	1	30.00	1.15	0.15	5.18
			1	30.00	1.15	0.15	5.18
			1	4.60	1.15	0.15	0.79
	4th Cross Road	Cum	1	30.00	1.15	0.15	5.18
			1	30.00	1.15	0.15	5.18
			1	12.70	1.15	0.15	2.19
	Mariya Street Cross Road	Cum	1	30.00	1.15	0.15	5.18
			1	3.00	1.15	0.15	0.52
	Cross Road		1	30.00	1.15	0.15	5.18
			1	24.00	1.15	0.15	4.14
	Cross Road		1	30.00	1.15	0.15	5.18
			1	19.30	1.15	0.15	3.33
	Chowrappa Layout Main Road R/S		1	24.75	1.15	0.15	4.27
			1	24.10	1.15	0.15	4.16
			1	24.80	1.15	0.15	4.28
			1	28.70	1.15	0.15	4.95
	Culvert		1	6.00	2.00	0.15	1.80
	Maruthi Layout						
	3rd Main 2nd Cross Road	Cum	1	15.00	1.25	0.15	2.81
			1	20.30	1.25	0.15	3.81
			1	9.00	1.25	0.15	1.69
	3rd Main 3rd Cross Road		1	16.60	1.25	0.15	3.11
			1	12.70	1.25	0.15	2.38
			1	25.70	1.25	0.15	4.82
						Total Qty	113.65

09.12.2020
Assistant Engineer
Ward No. 06

9/12/2020
Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
4	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2						
	for RCC drain						
	10 mm dia main bars						
	Chowrappa Reddy Layout						940.00
	1st Cross Road	200	2	2.35			940.00
		200	2	2.35			604.73
		129	2	2.35			900.00
	2nd Cross Road	200	2	2.25			900.00
		200	2	2.25			756.00
		168	2	2.25			900.00
	3rd Cross Road	200	2	2.25			900.00
		200	2	2.25			138.00
		31	2	2.25			900.00
	4th Cross Road	200	2	2.25			900.00
		200	2	2.25			381.00
		85	2	2.25			900.00
	Mariya Street Cross Road	200	2	2.25			90.00
		20	2	2.25			900.00
	Cross Road	200	2	2.25			720.00
		160	2	2.25			900.00
	Cross Road	200	2	2.25			579.00
		129	2	2.25			742.50
	Chowrappa Layout Main Road R/S	165	2	2.25			723.00
		161	2	2.25			744.00
		165	2	2.25			861.00
		191	2	2.25			
	Maruthi Layout	0	2	2.25			450.00
	3rd Main 2nd Cross Road	100	2	2.25			609.00
		135	2	2.25			270.00
		60	2	2.25			498.00
	3rd Main 3rd Cross Road	111	2	2.25			381.00
		85	2	2.25			771.00
		171	2	2.25			188.00
	for Cd	40	2	2.35			136.00
	slab	8	10	1.70			**19622.23**
				Total Length in Mtr			**12165.78**
				wt @ 0.62kg/mtr			
b	**8 mm dia distribution bars**						
	Chowrappa Reddy Layout						
	1st Cross Road	16	30.00				480.00
		16	30.00				480.00
		16	19.30				498.80

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
	2nd Cross Road	15	30.00				450.00
		15	30.00				450.00
		15	25.20				378.00
	3rd Cross Road	15	30.00				450.00
		15	30.00				450.00
		15	4.60				69.00
	4th Cross Road	15	30.00				450.00
		15	30.00				450.00
		15	12.70				190.50
	Mariya Street Cross Road	15	30.00				450.00
		15	3.00				45.00
	Cross Road	15	30.00				450.00
		15	24.00				360.00
	Cross Road	15	30.00				450.00
		15	19.30				289.50
	Chowrappa Layout Main Road R/S	15	24.75				371.25
		15	24.10				361.50
		15	24.80				372.00
		15	28.70				430.50
	Maruthi Layout	15					
	3rd Main 2nd Cross Road	15	15.00				225.00
		15	20.30				304.50
		15	9.00				135.00
	3rd Main 3rd Cross Road	15	16.60				249.00
		15	12.70				190.50
		15	25.70				385.50
	For Cd	18	6.00				108.00
				Total Length in Mtr			**9783.55**
				wt @ 0.39kg/mtr			**3815.58**
	12 mm bars for Cd						
		10	10.00				**100.00**
				wt @ 0.89kg/mtr			**89.00**
				Total wt in kgs			**16070.37**
				Total wt in Tonne			**16.07**
				Limited to			**16.05**

14.12.2020
Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

6	KSRRB 300-5(i) Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56)						
	Chowrappa Reddy Layout	Sqm					
	1st Cross Road	Cum	1	15.00	4.6+4.8		70.50
					2		
			1	15.00	4.8+5.0		73.50

Scanned by CamScanner

do	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
					2		
			1	15.00	5.0+4.6		72.00
					2		
			1	15.00	4.6+3.9		63.75
					2		
			1	15.00	3.9+3.5		55.50
					2		
			1	14.60	4.35+4.3		126.29
					2		
	2nd Cross Road	Sqm	1	15.00	4.7+4.50		69.00
					2		
			1	9.00	4.50+4.15		39.60
					2		
	3rd Cross Road	Cum	1	13.70	5.3+5.40		73.30
					2		
			1	7.30	5.4+5.2		38.69
					2		
			1	15.00	4.5+4.7		
					2		
			1	15.00	4.7+4.5		69.00
					2		
			1	15.00	4.5+3.6		60.75
					2		
			1	5.00	3.6+3.1		16.75
					2		
			1	6.30	3.1+2.9		18.90
					2		
	4th Cross Road	Cum	1	15.00	5.10+4.5		72.00
					2		
			1	15.00	4.5+4.8		69.75
					2		
			1	15.00	4.8+5.2		75.00
					2		
			1	15.00	5.2+4.80		75.00
					2		
			1	11.00	4.8+4.2		49.50
					2		
							1257.78

Assistant Engineer
Ward No:06

Assistant Executive Engineer
Byatarayanapura Sub-Division

7	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead = (I No-19.14,P No-143)						
	Chowrappa Reddy Layout	Cum					

Scanned by CamScanner

Description of work	Mesurement					Qty
	Unit	No.	L	B	D	
2nd Cross Road	Cum	1	15.00	4.7+4.50	0.45	31.05
				2		
		1	15.00	4.50+4.15	0.45	29.19
				2		
		1	15.00	4.15+4.0	0.45	27.51
				2		
		1	15.00	4.0+4.1	0.45	27.34
				2		
		1	15.00	4.1+3.9	0.40	24.00
				2		
		1	8.20	3.9+4.7	0.45	15.87
				2		
		1	2.00	3.20	0.45	2.88
Maruthi Layout						
3rd Main 2nd Cross Road	Cum	1	15.00	4.4+4.1	0.45	28.69
				2		
		1	15.00	4.1+3.6	0.35	20.21
				2		
		1	13.70	3.6+5.1	0.45	26.82
				2		
3rd Cross Road	Cum	1	12.70	4.7+4.65	0.35	20.78
				2		
		1	15.70	4.6+4.65	0.35	35.41
				2		
		1	10.00	4.65+4.7	0.45	21.04
				2		
		1	14.80	4.70+4.6	0.45	31.04
				2		
Cross Road	Cum	1	15.00	4.3+4.4	0.45	29.62
				2		
		1	9.70	4.4+3.8	0.35	14.04
				2		
Cross Roads		1	15.00	4.50+4.50	0.45	30.65
				2		
		1	15.00	4.50+4.60	0.35	24.16
				2		
		1	14.00	4.50+4.2	0.35	21.56
				2		
						451.85
Deduct MH		10	0.785X0.90X0.9		0.45	**0.95**
Receiving Chambers		35	0.45	0.45	0.45	**3.19**
Total Deduction						**4.14**
						447.71

26.12.2020
Assistant Engineer
Ward No. 06

26/12/2020
Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
8	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour. HOM complete as per specifications.(I No-19.64,P No-147)						
	For CC Road	Sqm					
	Chowrappa Reddy Layout						
	1st Cross Road	Cum	1	15.00	4.6+4.8		70.50
					2		
			1	15.00	4.8+5.0		73.50
					2		
			1	15.00	5.0+4.6		72.00
					2		
			1	15.00	4.6+3.9		63.75
					2		
			1	15.00	3.9+3.5		55.50
					2		
			1	14.60	4.35+4.3		126.29
					2		
	2nd Cross Road	Cum	1	15.00	4.7+4.50		69.00
					2		
			1	15.00	4.50+4.15		64.88
					2		
			1	15.00	4.15+4.0		60.13
					2		
			1	15.00	4.0+4.1		60.75
			1	15.00	4.1+3.9		60.00
					2		
			1	8.20	3.9+4.7		35.26
					2		
			1	2.00	3.20		6.40
	3rd Cross Road	Cum	1	13.70	5.3+5.40		73.30
					2		
			1	7.30	5.4+5.2		38.69
					2		
			1	15.00	4.5+4.7		69.00
					2		
			1	15.00	4.7+4.5		69.00
					2		
			1	15.00	4.5+3.6		60.75
					2		
			1	3.00	3.6+3.1		10.05
					2		
			1	6.30	3.1+2.9		18.90
					2.00		
	4th Cross Road	Cum	1	15.00	5.10+4.5		72.00
					2		
			1	15.00	4.5+4.8		69.75
					2		

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
			1	15.00	4.8+5.2		75.00
					2		
			1	15.00	5.2+4.80		75.00
					2		
			1	12.30	4.8+4.2		55.35
					2		
	Maruthi Layout						
	3rd Main 2nd Cross Road	Cum	1	15.00	4.4+4.1		63.75
					2		
			1	15.00	4.1+3.6		57.75
					2		
			1	13.70	3.6+5.1		59.60
					2		
	3rd Cross Road	Cum	1	12.70	4.7+4.65		59.37
					2		
			1	15.70	4.6+4.65		72.61
					2		
			1	10.00	4.65+4.7		46.75
					2		
			1	14.80	4.70+4.6		68.82
					2		
	Cross Road	Cum	1	15.00	4.3+4.4		65.25
					2		
			1	9.40	4.4+3.8		38.54
					2		
	Cross Roads		1	15.00	4.50+4.50		67.50
					2		
			1	15.00	4.50+4.60		68.25
					2		
			1	18.70	4.50+4.2		81.35
					2		
							2255.27
	Deduct MH		15	0.785X0.90X0.9			**9.54**
	Receiving Chambers		48	0.45	0.45		**9.72**
	Total Deduction						**19.26**
							2236.06

28.12.2020
Assistant Engineer
Ward No. 66

28/12/2020
Assistant Executive Engineer
Byatarayanapura Sub Division

9	Construction of granular sub base using-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)						
	For CC Road						
	Chowrappa Reddy Layout						
	2nd Cross Road	Cum	1	15.00	4.7+4.65	0.15	10.52

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
					2		
			1	15.00	4.65+4.4	0.15	10.18
					2		
			1	15.00	4.4+4.2	0.15	9.68
					2		
			1	15.00	4.2+4.1	0.15	9.34
					2		
			1	15.00	4.1+3.9	0.15	9.00
					2		
			1	8.20	3.9+4.7	0.15	5.29
					2		
			1	3.00	3.20	0.15	1.44
	Maruthi Layout						
	3rd Main 2nd Cross Road	Cum	1	15.00	4.4+4.1	0.15	9.56
					2		
			1	15.00	4.1+3.6	0.15	8.66
					2		
			1	13.70	3.6+5.1	0.15	8.94
					2		
	3rd Cross Road	Cum	1	12.70	4.7+4.65	0.15	8.91
					2		
			1	15.70	4.6+4.65	0.15	10.89
					2		
			1	10.00	4.65+4.7	0.15	7.01
					2		
			1	14.80	4.70+4.6	0.15	10.32
					2		
	Cross Road	Cum	1	15.00	4.3+4.4	0.15	9.79
					2		
			1	9.70	4.4+3.8	0.15	5.97
					2		
	Cross Roads		1	15.00	4.50+4.50	0.15	10.13
					2		
			1	9.50	4.50+4.2	0.15	6.36
					2		
					Total Qty		**151.98**
	Deduct MH		12	0.785X0.90X0.9		0.15	**1.14**
	Receiving Chambers		38	0.45	0.45	0.15	**1.15**
	Total Deduction						**2.30**
							149.68
					Limited to		**149.61**

30.12.2020
Assistant Engineer
Ward No. 06

30/12/2020
Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
2	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18						
	For CC Road						
	Chowrappa Reddy Layout						
	1st Cross Road	Cum	1	15.00	4.6+4.8	0.15	10.58
					2		
			1	15.00	4.8+5.0	0.15	11.03
					2		
			1	15.00	5.0+4.6	0.15	10.80
					2		
			1	15.00	4.6+3.9	0.15	9.56
					2		
			1	15.00	3.9+3.5	0.15	8.33
					2		
			1	14.60	4.35+4.3	0.15	18.94
					2		
	2nd Cross Road	Cum	1	15.00	4.7+4.50	0.15	10.35
					2		
			1	15.00	4.50+4.15	0.15	9.73
					2		
			1	15.00	4.15+4.0	0.15	9.17
					2		
			1	15.00	4.0+4.1	0.15	9.11
					2		
			1	15.00	4.1+3.9	0.15	9.00
					2		
			1	8.20	3.9+4.7	0.15	5.29
					2		
			1	2.00	3.20	0.15	0.96
	3rd Cross Road	Cum	1	13.70	5.3+5.40	0.15	10.99
					2		
			1	7.30	5.4+5.2	0.15	5.80
					2		
			1	15.00	4.5+4.7	0.15	10.35
					2		
			1	15.00	4.7+4.5	0.15	10.35
					2		
			1	15.00	4.5+3.6	0.15	9.11
					2		
			1	3.00	3.6+3.1	0.15	1.51
					2		
			1	6.30	3.1+2.9	0.15	2.84
					2.00		
	4th Cross Road	Cum	1	15.00	5.10+4.5	0.15	10.80

Scanned by CamScanner

Sl No	Description of work	Mesurement					Qty
		Unit	No.	L	B	D	
					2		
			1	15.00	4.5+4.8	0.15	10.46
					2		
			1	15.00	4.8+ 5.2	0.15	11.25
					2		
			1	15.00	5.2+4.80	0.15	11.25
					2		
			1	12.30	4.8+4.2	0.15	8.30
					2		
	Maruthi Layout						
	3rd Main 2nd Cross Road	Cum	1	15.00	4.4+4.1	0.15	9.56
					2		
			1	15.00	4.1+3.6	0.15	8.66
					2		
			1	13.70	3.6+5.1	0.15	8.94
					2		
	3rd Cross Road	Cum	1	12.70	4.7+4.65	0.15	8.91
					2		
			1	15.70	4.6+4.65	0.15	10.89
					2		
			1	10.00	4.65+4.7	0.15	7.01
					2		
			1	14.80	4.70+4.6	0.15	10.32
					2		
	Cross Road	Cum	1	15.00	4.3+4.4	0.15	9.79
					2		
			1	9.70	4.4+3.8	0.15	5.97
					2		
	Cross Roads		1	15.00	4.50+4.50	0.15	10.13
					2		
			1	15.00	4.50+4.60	0.15	10.24
					2		
			1	19.00	4.50+4.2	0.15	12.40
					2		
							338.67
	Deduct MH		15	0.785X0.90X0.9		0.15	**1.43**
	Receiving Chambers		48	0.45	0.45	0.15	**1.46**
	Total Deduction						**2.89**
				Total Qty for road work			**335.78**
				Qty for drain work as per It 3			**113.65**
					Total qty		**449.43**
				Limited to			**449.40**

04.01.2024
Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Ward No. 06
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-24

Scanned by CamScanner